mismo que las Lippia chilensis [Aloysia salviaefolia (Hook. & Arn.) Moldenke] y citriodora [A. triphylla (L'Hér.) Britton], con las cuales forma un grupo perfectamente caracterizado por su traza y la forma de la flor y sobretodo del cáliz."

Troncoso (1974) cites Geisse s.n. [Quebrada de Puquios; Herb. Inst. Darwinion 3523] from Atacama, Chile, and Werdermann 184

from Coquimbo, also in the Darwinion herbarium.

ADDITIONAL NOTES ON THE GENUS CITHAREXYLUM. VI

Harold N. Moldenke

CITHAREXYLUM B. Juss.

Additional & emended synonymy: Citharexylon B. Juss. ex L., Gen. Pl., ed. 5, imp. 1, 273. 1754. Citharaexylon Adams., Fam. Pl. 2: 200. 1763. Citharexyllum Scop., Introd. Hist. Nat. 169. 1777. Citharexylvm B. Juss. ex Reichard in L., Gen. Pl., ed. 8, 315. 1778. Rauwolfia Ruíz & Pav., Pl. Peruv. & Chil. 2: 26, pl. 152. 1799 [not Rauwolfia L., 1913, nor Rauvolfia L., 1966, nor Rauvolfia Plum., 1737 & 1753]. Cytharexylon Batsch, Tabl. Aff. Reg. Veg. 193. 1802. Scleroon Benth. ex Lindl., Bot. Reg. 29:
Misc. 65-66. 1843. Citherexylum Roys, Ethno-bot. Maya 284 & 319, sphalm. 1931. Merexylon Zucc. ex Moldenke, Phytologia 6: 243, in syn. 1958. Turncasa Ruíz & Pav. ex Moldenke, Phytologia 6: 243, in syn. 1958. Citharerexilon Cham. ex Moldenke, Phytologia 6: 243, in syn. 1958. Cytarexilon Sessé & Moc. ex Moldenke, Phytologia 6: 243, in syn. 1958. Cytharexyllum Mill. ex Moldenke, Phytologia 6: 243, in syn. 1958. Citharoxylum Mill. ex Moldenke, Résumé 259, in syn. 1969. Cytharexylum Jacq. apud Airy Shaw in J. C. Willis, Dict. Flow. Pl., ed. 7, 326, in syn. 1966. Scleroon Benth. apud Airy Shaw in J. C. Willis, Dict. Flow. Pl., ed. 7, 1021, in syn. 1966. Citherexylum Uphof, Dict. Econ. Pl., ed. 2, 541, sphalm. 1968; Moldenke, Fifth Summ. 1: 438, in syn. 1971. Citharecylum Jacq. ex Uphof, Dict. Econ. Pl., ed. 2, 133, sphalm. 1968; Moldenke, Fifth Summ. 1: 427, in syn. 1971. Citerexylum Uphof, Dict. Econ. Pl., ed. 2, 554, sphalm. 1968; Moldenke, Fifth Summ. 1: 427, in syn. 1971. Citahrexylum Mold. ex Troncoso, Darwiniana 16: 626, sphalm. 1971. Citharexylem Altschul, Drugs & Foods 245, sphalm. 1973. Cytarexylun Moldenke, Phytologia 26: 372, in syn. 1973. Citarexyllum Shah, in herb. Sitharexylon Garcia-Barriga, in

Additional & emended bibliography: L., Gen. Pl., ed. 4, 430 & [447] (1752) and ed. 5, imp. 1, 273. 1754; P. Browne in Sloane, Civil & Nat. Hist. Jamaic., ed. 1, 264-265, pl. 28, fig. 2.

1756; L., Gen. Pl., ed. 5, imp. 2, 273 (1760) and ed. 6, 314 & [586]. 1764; L., Syst. Nat., ed. 13, 416. 1770; [Retz.], Nom. Bot. 151 & [283]. 1772; Planer, Gatt. Pfl. 2: 553 & 1056. 1775; Scop., Introd. Hist. Nat. 169. 1777; Reichard in L., Gen. Pl., ed. 8, 315 & ind. 1778; Scop., Fund. Bot., ed. 1, 69. 1783; P. Browne in Sloane, Civil & Nat. Hist. Jamaic., ed. 2, 264—265, pl. 28, fig. 2. 1789; J. F. Gmel. in L., Syst. Nat., ed. 13, imp. 1, 2: 890 & 942-943. 1789; A. L. Juss., Gen. Pl., ed. 1, 108 & 119-123. 1789; F. Hernandez, Hist. Pl. Nuev. Españ., ed. 1, 1: 384-385 (1790) and 3: 487. 1790; Schreb. in L., Gen. Pl., ed. 8 [=9], 2: Lll & 849. 1791; Haenke in L., Gen. Pl., ed. 8 [=10], 2: 555-56 & 793. 1791; J. F. Gmel. in L., Syst. Nat., ed. 13, imp. 2, 2: 890 & 942--943. 1796; Raeusch., Nom. Bot., ed. 3, 173 & 382. 1797; Batsch, Tabl. Aff. Reg. Veg. 193. 1802; Desf., Tabl. Ecol. Bot., ed. 1, 54. 1804; Willd., Emm. Pl. Hort. Berol. 2: 649—650. 1809; Desf., Tabl. Ecol. Bot., ed. 2, 65. 1815; H.B.K., Nov. Gen. & Sp. Pl., ed. folio, 2: 207—209 (1817) and ed. quarto, 2: 256—258. 1818; Roem. & Schult., Syst. Veg. 4: 805. 1818; Pers., Sp. Pl. 3: 356-357. 1819; J. E. Sm., Gramm. Bot. 98 & 222. 1821; Brongn., Mem. Rhamnac. 59. 1826; Brongn., Ann. Sci. Nat. Paris, ser. 1, 10: 366. 1827; Bischoff, Handb. Bot. Term. 1: Erk. Taf. 32, pl. 40, fig. 1718a. 1830; D. Dietr., Syn. Pl. 1: 630. 1839; Lindl., Bot. Reg. 29: Misc. 65-66. 1843; D. Dietr., Syn. Pl. 3: 371. 1843; Voigt, Hort. Suburb. Calc. 473. 1845; Benth., Bot. Voy. Sulphur 154. 1846; Bischoff, Organ. Syst. Art. Regist. 13. 1849; Schnitzl., Icon. Fam. Nat. Reg. Veg. 137. 1856; Miers, Ann. & Mag. Nat. Hist., ser. 3, 5: 216 (1860) and ser. 3, 6: 12-13. 1860; Bocq., Rev. Verbénac. 8, 16, 37, 38, 46-48, & 77 [thesis]. 1862; Bocq., Adansonia, ser. 1, 2: 85, 88, 89, 96, 105, 109, 117, 118, 123, 126-128, 130, 131, 135, 136, 141, 142, 145-147, 152, 154, 157, & 160 (1862) and ser. 1, 3: 180, 182-185, 194, 197, & 222-224, pl. 13. 1863; T. S. Brandeg., Proc. Calif. Acad. Sci., ser. 2, 3: 163. 1863; A. Wood, Am. Bot. & Flor., ed. 1, imp. 1, 235 & 377 (1870), ed. 1, imp. 2, 235 & 429 (1871), ed. 1, imp. 3, 235 & 429 (1872), ed. 1, imp. 4, 235 & 429 (1873), ed. 1, imp. 5, 235 & 429 (1874), and ed. 1, imp. 6, 235 & 429. 1875; Hemsl. in Godman & Salvin, Biol. Cent.-Am. Bot. 2: 426 & 536-537. 1882: Vesque, Ann. Sci. Nat. Paris, ser. 7, 1: 336 & 339-343, pl. 15, fig. 6. 1885; Balf. f., Bot. Socotra 234 & 417. 1888; O. R. Willis in A. Wood, Am. Bot. & Flor., ed. 2, 235 & 429. 1889; Kuntze, Rev. Gen. Pl. 2: 504. 1891; Gaill., Genre Meliola 49. 1892; Jacks. in Hook. f. & Jacks., Ind. Kew., imp. 1, 1: 549-550, 584, 804, & 823 (1893), imp. 1, 2: 130 (1894), and imp. 1, 2: 856. 1895; Solered., Syst. Anat. Dicot. 712, 715, & 716. 1899; W. E. Broadway, Gard. Chron., ser. 3, 30: 473. 1901; Durand & Jacks., Ind. Kew. Suppl. 1, imp. 1, 50. 1901; Barnhart, Bull. Torrey Bot. Club 29: 590. 1902; Durand & Jacks., Ind. Kew. Suppl. 1, imp. 1, 187. 1902; Briq. in Chod. & Hassl., Bull. Herb. Boiss., ser. 2, 4: 1166. 1904; Briq. in Chod. & Hassl., Plant. Hassler. 2: 502. 1904; Dalla Torre & Harms, Gen. Siphonog., imp. 1, 431. 1904; T. Peckolt, Bericht. Deutsch. Pharm. Gesell. 14: 475. 1904; C. S. Sarg., Man. Trees N. Am., ed. 1, 787-789 & 820. 1905; Cooke, Fl.

Presid. Bombay, ed. 1, 3: 437. 1906; Durand & Jacks., Ind. Kew. Suppl. 1, imp. 1, 496. 1906; D. H. Scott in Solered., Syst. Anat. Dicot., transl. Boodle & Fritsch, 1: 630, 631, 633, & 634. 1908; Solered., Syst. Anat. Dicot. Erganz. 255. 1908; A. R. Northrop in J. I. Northrop, Naturalist in Bahamas 180 & 204. 1910; Venturi & Lillo, Contrib. Conoc. Arb. Argent. 104. 1910; Woodrow, Gard. Trop., ed. 6, 436. 1910; Goyena, Fl. Nicarag. 1: 563-564. 1911; Theiss. & Syd., Ann. Mycol. 15: 461. 1917; Eres., Annal. Mycol. 18: 28. 1920; Haines, Bot. Bihar & Orissa 4: 704 & 708. 1922; Loes. in Fedde, Repert. Spec. Nov. 18: 355. 1922; C. S. Sarg. Man. Trees N. Am., ed. 2, imp. 1, 864--865 & 901, fig. 764. 1922; Pittier, Contrib. Fl. Venez. [Arbol. & Arbust. Nuev. Venez.] 42-43. 1923; Wangerin in Just, Bot. Jahresber. 51 (1): 555 [521]. 1923; Hérissey, Compt. Rend. Acad. Sci. Paris 179: 1/19-1/20. 1924; Parker, Forest Fl. Punj., ed. 2, 405. 1924; Hérissey, Bull. Soc. Chim. Biol. 7: 195-201. 1925; Herissey, Chem. Abstr. 19: 843. 1925; Hérissey, Journ. Pharm. & Chim., ser. 8, 1: 208-215. 1925; Wangerin in Just, Bot. Jahresber. 53 (2): 645. 1925; Pittier, Man. Pl. Usuel. Venez. 326, 386, & 423. 1926; C. S. Sarg., Man. Trees N. Am., ed. 2, imp. 2, 861,-865 & 901. 1926; Wangerin in Just, Bot. Jahresber. 46 (1): 717. 1926; Stev., Ann. Mycol. Berlin 25: 466. 1927; Toro, Mycologia 19: 73. 1927; Petrak in Just, Bot. Jahresber. 48 (2): 238. 1930; P. C. Standl., Field Mus. Publ. Bot. 3: 400 (1930) and 8: 39-40. 1930; Wangerin in Just, Bot. Jahresber. 50 (1): 289. 1930; Weberbauer, Field Mus. Publ. Bot. 8: 84. 1930; Roys, Ethno-bot. Maya [Tulare Univ. Mid. Am. Res. Ser. Publ. 2:] 249, 284, & 319. 1931; Bonstedt, Pareys Blumengärtn., ed. 1, 277. 1932; Fedde & Schust. in Just, Bot. Jahresber. 53 (1): 1071 [1053]. 1932; G. Klein, Handb. Pflanzenanal. 3 (2): 1224. 1932; C. L. Hitchc., Ann. Mo. Bot. Gard. 19: 191, 331, 343, 353, & 364, pl. 13, fig. 7--10, & pl. 19, fig. 22--24. 1932; Wilder, Frag. Path 206 & 386. 1932; Fedde in Just, Bot. Jahresber. 50 (1): 676 (1932) and 51 (2): 275. 1933; C. S. Sarg,, Man. Trees N. Am., ed. 2, imp. 3, 864--865 & 901. 1933; Crevost & Pételot, Bull. Econ. Indochin. 37. 1289. 1934; Molden. ke, Brittonia 1: 364 & 432. 1934; P. C. Standl., Trop. Woods 37: 37. 1934; Anon., Ind. Sem. Ofr. Canje Jard. Bot. Montev. 3. 1935; Makins, Ident. Trees & Shrubs 89 & 258, fig. 77 C. 1936; Navarro Haydon, Arb. Ornament. Puerto Rico 11. 1936; Moldenke, Revist. Sudam. Bot. 4: 15. 1937; Fedde & Schust. in Just, Bot. Jahresber. 57 (2): hol (1938) and 58 (2): 329. 1938; A. W. Hill, Ind. Kew. Suppl. 9: 6 & 67. 1938; Wangerin in Just, Bot. Jahresber. 58 (1): 845 [275]. 1938; Fedde in Just, Bot. Jahresber. 57 (2): 749 (1938) and 58 (2): 514. 1939; Tharp, Veg. Tex. 67. 1939; Seaver & Waterston, Mycologia 32: 400. 1940; Durand & Jacks., Ind. Kew. Suppl. 1, imp. 2, 50, 187, & 496. 1941; Fedde & Schust. in Just, Bot. Jahresber. 60 (2): 568, 571, & 574. 1941; Wangerin & Krause in Just, Bot. Jahresber. 60 (1): 669 & 753. 1941; Seaver & Waterston, Mycologia 34: 521 & 423. 1942; Shreve, Bot. Rev. 8: 224. 1942; F. Hernandez, Hist. Pl. Nuev. Españ., ed. 2, 2: 573-574 & 671. 1943; Santos Biloni, Suelo Argent. 3: 663 & 679. 1944; Whetzel, Mycologia 37: 710. 1945;

Jacks in Hook. f. & Jacks., Ind. Kew., imp. 2, 1: 549—550, 584, 804, & 823 (1946) and imp. 2, 2: 130 & 856. 1946; A. C. Martin, Am. Midl. Nat. 36: 608 & 651. 1946; West & Arnold, Nat. Trees Fla. 191. 1946; C. S. Sarg., Man. Trees N. Am., ed. 2, imp. 4, 864—865 & 901. 1949; Metcalfe & Chalk, Anat. Dicot. 1031--1033, 1035--1037, 1040, & 1041. 1950; Reitz, Rodriguesia 13: 271, 273, & 285. 1950; LaMotte, Geol. Soc. Am. Mem. 51: [Cat. Cenoz. Pl. N. Am.] 127 & 377. 1952; V. S. Rao, Journ. Indian Bot. Soc. 31: [297], 303-[305], & 311-313, fig. 28-32. 1952; Cabrera, Man. Fl. Alred. Buenos Aires 390 & 391, fig. 145. 1953; Douin, Ann. Univ. Lyon, ser. 3, C.8: 82. 1954; Rambo, Sellowia 6: 59, 60, 84, & 153 (1954) and 7: 260 & 288. 1956; Parker, Forest F1. Punjab, ed. 3, 577. 1956; Hansford, Sydowia 10: 48 & 61. 1957; Veloso & Klein, Sellowia 8: 150-151, betw. 156 & 157, 182, & 220. 1957; Anon., U. S. Dept. Agr. Bot. Subj. Index 15: 14354 & 14355. 1958; Cooke, Fl. Presid. Bombay, ed. 2, imp. 1, 2: 518. 1958; Cuatrecasas, Revist. Acad. Colomb. Cienc. 10: 235. 1958; R. C. Foster, Contrib. Gray Herb. 184: 169. 1958; R. T. Moore, Mycologia 50: 691. 1958; H. St. John, Nomencl. Pl. 123. 1958; Cain, Man. Veg. Anal., imp. 1, 226 & 242. 1959; R. M. Carleton, Ind. Common Names Herb. Pl., imp. 1, 88. 1959; Durand & Jacks., Ind. Kew. Suppl. 1, imp. 3, 50, 187, & 496. 1959; Hocking, Excerpt. Bot. A.1: 429. 1959; Veloso & Klein, Sellowia 10: betw. 76 & 77, 99, & 105. 1959; Bullock, Taxon 9: 99. 1960; Emberger in Chadefaud & Emberger, Trait. Bot. 2: 829 & 831. 1960; Jacks. in Hook. f. & Jacks., Ind. Kew., imp. 3, 1: 549-550, 584, 804, & 823 (1960) and imp. 3, 2: 130 & 856. 1960; J. F. Macbr., Field Mus. Publ. Bot. 13 (5): 611, 667-681, & 688. 1960; Hansford, Sydowia Ann. Myc., ser. 2, Beih. 2: 685 & 686. 1961; Moldenke, Phytologia 7: 429-430. 1961; C. S. Sarg., Man. Trees N. Am., ed. 2, imp. 5, 864-865 & 901. 1961; Burkart, Excerpt. Bot. A.5: 586. 1962; R. M. Carleton, Ind. Common Names Herb. Pl., imp. 2, 88. 1962; Hocking, Excerpt. Bot. A.5: 43—45. 1962; J. F. Norton, Wild Pl. Surviv. S. Fla. 32. 1962; Veillon, Revist. Forest. Venez. 5: 67. 1962; Dalla Torre & Harms, Gen. Siphonog., imp. 2, 431. 1963; J. K. Maheshwari, Fl. Delhi 275 & 278. 1963; Moldenke, Phytologia 9: 98—99. 1963; Veloso & Klein, Sellowia 15: 102 & 107. 1963; Feng & al., Journ. Pharm. Pharmacol. 16: 115-117. 1964; Hocking, Excerpt. Bot. A. 7: 454. 1964; Little & Wadsworth, Common Trees P. R. [U. S. Dept. Agr. Handb. 249:] 476 & 478-481, fig. 226 & 227. 1964; Melchior in Engl., Syllab. Pflanzenfam., ed. 12, 2: 437 & 438. 1964; P. K. K. Nair, Journ. Indian Bot. Soc. 43: 184. 1964; Puri, Jain, Mukerjee, Sarup, & Kotwal. Rec. Bot. Surv. India 19: 108. 1964; Reitz & Klein, Sellowia 16: 44. 1964; Santapau, Excerpt. Bot. A.7: 16. 1964; Angely, Fl. Anal. Paran., ed. 1, 578. 1965; F. A. Barkley, List Ord. Fam. Anthoph. 75 & 153. 1965; Chopra, Badhwar, & Ghosh, Poison. Pl. India 2: 694. 1965; Espinal T., Vis. Ecolog. Dept. Valle 39 & 81. 1965; Harrar in C. S. Sarg., Man. Trees N. Am., ed. 2, imp. 6, 2: 920, 925, & 927. 1965; D. R. Harris, Univ. Calif. Publ. Geogr. 18: [Pl. Anim. & Man Outer Leeward Isls.] 28, 42, 44, & 151--153. 1965; Maheshwari & Singh, Dict. Econ. Pl. India 42. 1965; C. S. Sarg., Man. Trees N. Am.,

ed. 2, imp. 6, 864-865 & 901, fig. 764. 1965; Saenz R., Revist. Biol. Trop. 13: 211. 1965; Troncoso in Cabrera, Fl. Prov. Buenos Aires 5: 123 & 147. 1965; Airy Shaw in J. C. Willis, Dict. Flow. Pl., ed. 7, 250, 326, 512, 954, 1021, & 1176. 1966; Burkill, Dict. Econ. Prod. Malay Penins. 1: 567. 1966; Datta & Najumdar, Bull. Bot. Soc. Bengal 20: 102. 1966; J. Gómez, Biota 6: 103, 104, 107, 114, & 119. 1966; Gomez Pompa, Estud. Bot. Reg. Misantla 93. 1966; Nair, Essent. Palynol. 50. 1966; S. V. Ramaswami, Stud. Flow. Pl. Bangalore [thesis] xxv, 1023—1024, & 1390. 1966; J. A. Steyerm., Act. Bot. Venez. 1: 184. 1966; G. Taylor, Ind. Kew. Suppl. 13: 31. 1966; Anon., Assoc. Etud. Tax. Fl. Afr. Trop. Independent of the control o dex 1966: 56. 1967; Anon., Dict. Cat. Natl. Agric. Lib. 13: 732. 1967; Berhaut, Fl. Sénégal, ed. 2, 112 & 127. 1967; Cooke, Fl. Presid. Bombay, ed. 2, imp. 2, 2: 518. 1967; Dandy, Reg. Veg. 51: [Ind. Gen. Vasc. Pl.] 40 & 121. 1967; D'Arey, Rhodora 69: 438. 1967; Fulling, Ind. Bot. Record. Bot. Review 123. 1967; Hocking, Excerpt. Bot. A.11: 503 & 504 (1967) and A.12: 424 & 426. 1967; J. Jiménez, Archiv. Bot. & Biogeogr. Ital. 43: 14. 1967; W. R. Mattoon, Forest Trees Fla., ed. 9, 91. 1967; Moldenke, Résumé Suppl. 15: 3, 4, 8, 14, & 18. 1967; Puig, Bull. Soc. Hist. Nat. Toulouse 103: 321. 1967; Soukup, Biota 6: 359. 1967; Moldenke, Phytologia 14: 424-435 & 507-511 (1967) and 16: 59, 389, & 506. 1968; Acosta-Solis, Divis. Fitogeogr. Ecuad. 78. 1968; Anon., Biol. Abstr. 49 (9): B. A. S. I. C. S.34 & S.69. 1968; Brockman, Field Guide Trees N. Am. 262—263. 1968; Burlage, Ind. Pl. Tex. 182 & 194. 1968; Espinal T., Vision. Ecolog. Dept. Valle Cauca 39, 75, & 81. 1968; Hocking, Excerpt. Bot. A.13: 569. 1968; Hyland, U. S. Dept. Agr. Pl. Inventory 172: 234. 1968; A. Löve, Taxon 17: 576. 1968; G. Mann in Fittkau, Illies, Klinge, Schwabe, & Sioli, Biogeogr. & Ecol. S. Am. 1 [Van Oye, Monog. Biol. 18]: 208. 1968; Moldenke, Biol. Abstr. 19: 1325, 2769, & 1199. 1968; Moldenke, Résumé Suppl. 16: 2-5, 7, 9, 19, 20, & 26 (1968) and 17: [1], 7, & 8. 1968; Rollet, Adansonia, ser. 2, 8: 512 & 519. 1968; Stearn, Humb. Bonpl. Kunth Trop. Am. Bot. 16. 1968; J. A. Steyerm., Act. Bot. Venez. 3: 72, 85, & 156. 1968; Uphof, Dict. Econ. Pl., ed. 2, 133, 541, & 554. 1968; Veloso & Klein, Sellowia 20: 83 & 122. 1968; Moldenke, Phytologia 17: 113 (1968) and 18: 70-71, 209-210, & 505. 1969; Angely, Fl. Anal. & Fitogeogr. Est. S. Paulo, ed. 1, 1: 8. 1969; Anon., Torr. Bot. Club Ind. Am. Bot. Lit. 3: 306, 308, & 309. 1969; Corner & Watanabe, Illustr. Guide Trop. Pl. 753. 1969; Farnsworth, Blomster, Quimby, & Schermerh., Lynn Index 6: 263. 1969; Hardin & Arena, Human Poison. Nat. & Cult. Pl. 129. 1969; Keng, Ord. & Fam. Malay. Seed Pl. 279. 1969; Kunkel, Arb. Exot. 1: 86-87. 1969; Liogier, Fl. Cub. Supl. 124. 1969; Little, Forest Serv. Res. Paper ITF.9: 11. 1969; M. Martinez, Pl. Med. Mex., ed. 5, 383. 1969; Molden-ke, Biol. Abstr. 50: 6338, 6948, & 7999. 1969; A. L. Moldenke, Phytologia 18: 115. 1969; Plowden, Man. Pl. Names 247. 1969; J. A. Steyerm., Act. Bot. Venez. 3: 72, 76, 85, 86, & 156. 1969; Angely, Fl. Anal. Fitogeogr. Est. S. Paulo, ed. 1, 2: xxxi. 1970; Correll & Johnston, Man. Vasc. Pl. Tex. [Contrib. Tex. Res. Found. Bot. 6:] 1813, 1814, 1824, 1827, 1847, & 1849. 1970. [to be continued]